

D AAA41767 standard; cDNA; 374 BP.

X

C AAA41767;

XP-002397256

X

T 21-AUG-2000 (first entry)

X

E Human secreted expressed sequence tag SEQ ID NO:507.

X

W Human; mouse; xenopus; rat; secreted expressed sequence tag; sEST;
W expressed sequence tag; EST; probe; chemotactic; proliferative;
W immunomodulatory; haematopoietic; chemokinetic; analgesic; haemostatic;
W thrombolytic; antiinflammatory; cytostatic; antibacterial; antifungal;
W antiviral; antidiabetic; antiasthmatic; vulnerary; antiparkinsonian;
W antiulcer; osteopathic; neuroprotective; nootropic; antipsoriatic;
W cerebroprotective; anticonvulsant; antidepressant; gene therapy; vaccine;
W autoimmune disorder; multiple sclerosis; allergic condition;
W insulin dependent diabetes; asthma; myeloid cell deficiency; ulcer;
W lymphoid cell deficiency; burn; osteoporosis; osteoarthritis;
W central nervous system disorder; Alzheimer's disease; stroke;
W Parkinson's disease; Huntington's disease; coagulation disorder;
W haemophilia; thrombosis; inflammatory disorder; Crohn's disease; tumour;
W infection; depression; psoriasis; ss.

W

W homo sapiens.

W

W WO200021990-A1

W

W 20-APR-2000.

W

W 15-OCT-1999; 99WO-US024205.

W

W 15-OCT-1998; 98US-0104435P.

W

W (GEMY) GENETICS INST INC.

W

W Jacobs K, McCoy JM, Lavallie ER, Collins-Racie LA, Evans C;
W Merberg D, Treacy M;

W

W WPI; 2000-317937/27.

W

W Isolated polynucleotides, and encoded proteins, comprising secreted
W expressed sequence tags (sESTs), useful for treating various disorders
W such as autoimmune, infectious, and central nervous system disorders.

W

W Claim 1; Page 277; 618pp; English.

W

W AAA41261 to AAA43419 represent specifically claimed secreted expressed
W sequence tags (sESTs), isolated from human, mouse, xenopus and rat tissue
W sources. The sESTs can have a range of activities depending on the
W tissues they were isolated from. The activities include: chemotactic;
W proliferative; immunomodulatory; haematopoietic; chemokinetic; analgesic;
W haemostatic; thrombolytic; antiinflammatory; cytostatic; antibacterial;
W antifungal; antiviral; antidiabetic; antiasthmatic; vulnerary; antiulcer;
W osteopathic; neuroprotective; nootropic; antiparkinsonian; antipsoriatic;
W cerebroprotective; anticonvulsant; and antidepressant. The sESTs can be
W used for gene therapy and in vaccines. The sESTs are useful as probes for
W the identification and isolation of full-length cDNAs and genomic DNA
W molecules which correspond to the sESTs. Proteins encoded by the sESTs
W are useful in assays for determining biological activity and raising
W antibodies. They may be useful for treatment of autoimmune disorders
W (multiple sclerosis, insulin dependent diabetes), allergic conditions
W (asthma), myeloid or lymphoid cell deficiencies, wounds, burns, ulcers,
W osteoporosis, osteoarthritis, central nervous system disorders
W (Alzheimer's, Parkinson's, Huntington's disease, stroke), coagulation
W disorders (haemophilia, thrombosis), inflammatory disorders (Crohn's
W disease), tumours, bacterial, fungal or viral infections, depression and
W psoriasis. AAA43420 to AAA43425 represent linker variants which are given
W in the exemplification of the present invention

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XX

SQ

Sequence 374 BP; 103 A; 85 C; 93 G; 93 T; 0 U; 0 Other;

gaattcgcg	ccgcgtcgac	gtactctaaa	gttagaatct	cctgatcttt	cacgagatgc	60
tggactggag	attggcaagt	gcacatttca	tcctggctgt	gacactgaca	ctgtggagct	120
caggaaaagt	cctctcagta	gatgtaacaa	caacagaggc	ctttgattct	ggagtcata	180
atgtgcagtc	aacacccaca	gtcaggggaag	agaaatcagc	cactgacctg	acagcaaac	240
tcttgcttct	tgatgaattg	gtgtccctag	aaaatgatgt	gattgagaca	aagaagaaaa	300
ggagtttctc	tggttttggg	tctccccttg	acagactctc	agctggctct	gtagatcaca	360
aaggcccgct	cgag					374

//



Blast 2 Sequences results

PubMed

Entrez

BLAST

OMIM

Taxonomy

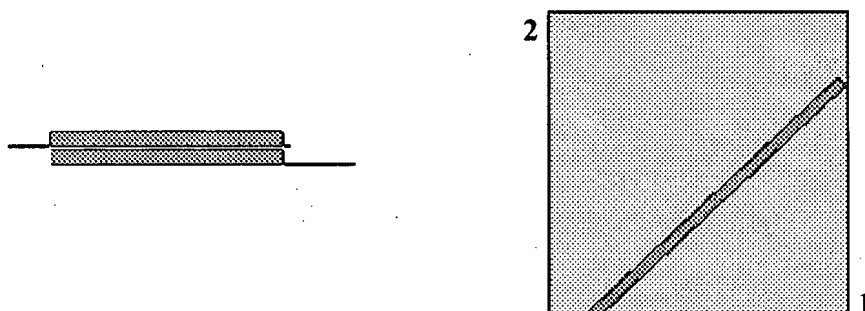
Structure

BLAST 2 SEQUENCES RESULTS VERSION BLASTN 2.2.16 [Mar-25-2007]

Match: 1 Mismatch: -2 gap open: 5 gap extension: 2
 x_dropoff: 0 expect: 10.0000 wordsize: 11 Filter ☐ View option Standard
 Masking character option X for protein, n for nucleotide Masking color option Black
☐ Show CDS translation

Sequence 1: lcl|seq_1
 Length = 373 (1 .. 373)

Sequence 2: lcl|seq_2
 Length = 402 (1 .. 402)



NOTE: Bitscore and expect value are calculated based on the size of the nr database.

NOTE: If protein translation is reversed, please repeat the search with reverse strand of the query sequence.



Score = 594 bits (309), Expect = 6e-167
 Identities = 309/309 (100%), Gaps = 0/309 (0%)
 Strand=Plus/Plus

SEQ ID No: 57 of W028021990

Query 57 ATGCTGGACTGGAGATTGGCAAGTGCACATTTTCATCCTGGCTGTGACACTGACACTGTGG 116
 |||
 Sbjet 1 ATGCTGGACTGGAGATTGGCAAGTGCACATTTTCATCCTGGCTGTGACACTGACACTGTGG 60
 Applicants SEQ ID No: 1
 Query 117 AGCTCAGGAAAAGTCCTCTCAGTAGATGTAACAACAACAGAGGCCTTTGATTCTGGAGTC 176
 |||
 Sbjet 61 AGCTCAGGAAAAGTCCTCTCAGTAGATGTAACAACAACAGAGGCCTTTGATTCTGGAGTC 120
 Query 177 ATAGATGTGCAGTCAACACCCACAGTCAGGGAAGAGAAATCAGCCACTGACCTGACAGCA 236
 |||

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Sbjct  121  ATAGATGTGCAGTCAACACCCACAGTCAGGGAAGAGAAATCAGCCACTGACCTGACAGCA  180
Query  237  AAACCTCTTGCTTCTTGATGAATTGGTGTCCCTAGAAAATGATGTGATTGAGACAAAGAAG  296
          |||
Sbjct  181  AAACCTCTTGCTTCTTGATGAATTGGTGTCCCTAGAAAATGATGTGATTGAGACAAAGAAG  240
Query  297  AAAAGGAGTTTCTCTGGTTTTGGGTCTCCCCTTGACAGACTCTCAGCTGGCTCTGTAGAT  356
          |||
Sbjct  241  AAAAGGAGTTTCTCTGGTTTTGGGTCTCCCCTTGACAGACTCTCAGCTGGCTCTGTAGAT  300
Query  357  CACAAAGGT  365
          |||
Sbjct  301  CACAAAGGT  309

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CPU time: 0.02 user secs. 0.02 sys. secs 0.04 total secs.